C-A OPERATIONS PROCEDURES MANUAL

3.23 Emergency Procedure for the E949 Detector Complex

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Collider-Accelerator Department Chairman Date

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3.23 Emergency Procedure for the E949 Detector Complex

1. Purpose

The purpose of this document is to define the Local Emergency Plan (LEP) for the operation of the E949 detector complex. This local emergency plan will help to ensure:

- The safety of personnel
- Implementation of the appropriate emergency procedures contained in C-A-OPM 3.0 and Section 5 of this document
- Prompt notification of appropriate personnel
- Maintenance of appropriate Collider-Accelerator emergency status
- Protection of the environment
- Preservation of BNL facilities and equipment.

2. Responsibilities

2.1 Local Emergency Coordinator (LEC) - During the testing, commissioning, and operation of the E949 detector system, the Local Emergency Coordinator (LEC) will be the C-A Collider-Accelerator Support (CAS) Watch. The responsibilities of the LEC are described in C-A-OPM 3.2.

2.1.1 The LEC is responsible for being aware of the E949 Shift responsibilities described in Section 2.2.

2.2 The E949 Shift (both E949 people on shift) shall be responsible for:

2.2.1 Acting as First Responder to incidents and responding to the Command Post.

2.2.2 Assisting in maintaining the E949 detector and facility in a safe condition.

2.2.3 Implementing all emergency responses outlined in the Procedures section of this document, or any additional instructions given by the Department Emergency Coordinator (DEC).

2.3 The E949 spokesperson and Liaison Physicist are responsible for:

2.3.1 Ensuring that personnel involved in E949 operations are trained in all emergency and safety procedures.

2.3.2 Ensuring that all postings of special instructions are complete.

3. Prerequisites

The E949 Shift shall have training in the following:

3.1 "Local Emergency Plan", C-A-OPM 3.0.

3.2 All relevant equipment involved in the E949 detector to ensure safe operations.

3.3 Knowledge of the physical layout of the E949 experimental area (routes of egress, location of emergency equipment, telephones, controls, etc.).

3.4 Knowledge of the assembly areas:

3.4.1 Outside Assembly Area – parking lot near Cooling Tower #2
3.4.2 Hydrogen Emergency Assembly Area - lobby of Bldg. 911 (Klaxon alarm)

4. Precautions

The safety of personnel and the environment is of primary importance. In an emergency all personnel shall take great care not to give instructions or information which may place personnel or the environment at risk or harm.

5. Procedures

5.1 In the event of an emergency (such as an actual fire, or notification of such by the CAS watch) in the E949 experimental area (E949 experimental floor area, counting house), the two-person E949 shift shall work as a team to:

5.1.1 Pull the nearest fire alarm box if the alarm is not already sounding, then call 2222 or 911.

5.1.2 Push the E949 Crash Button.

5.1.3 Evacuate all personnel and proceed to the outside assembly area and await the arrival of the Fire/Rescue Group.

5.1.4 If it is possible to fight the fire without putting people or property at risk and the E949 shift feels confident to use the fire extinguishing equipment, a fire in the detector can be fought by activating the Halon system, or a fire in the counting house may be fought with the hand-held fire extinguishers.

5.1.5 If during Collider-Accelerator operations periods, notify the Operations Coordinator (OC) at 4662 as soon as possible.

5.1.6 The LEC and E949 Shift shall report to the Command Post upon arrival of the Fire/Rescue Captain. The Command Post is vehicle designated Car-1, unless directed elsewhere by the F/R Captain.

6. Documentation

None

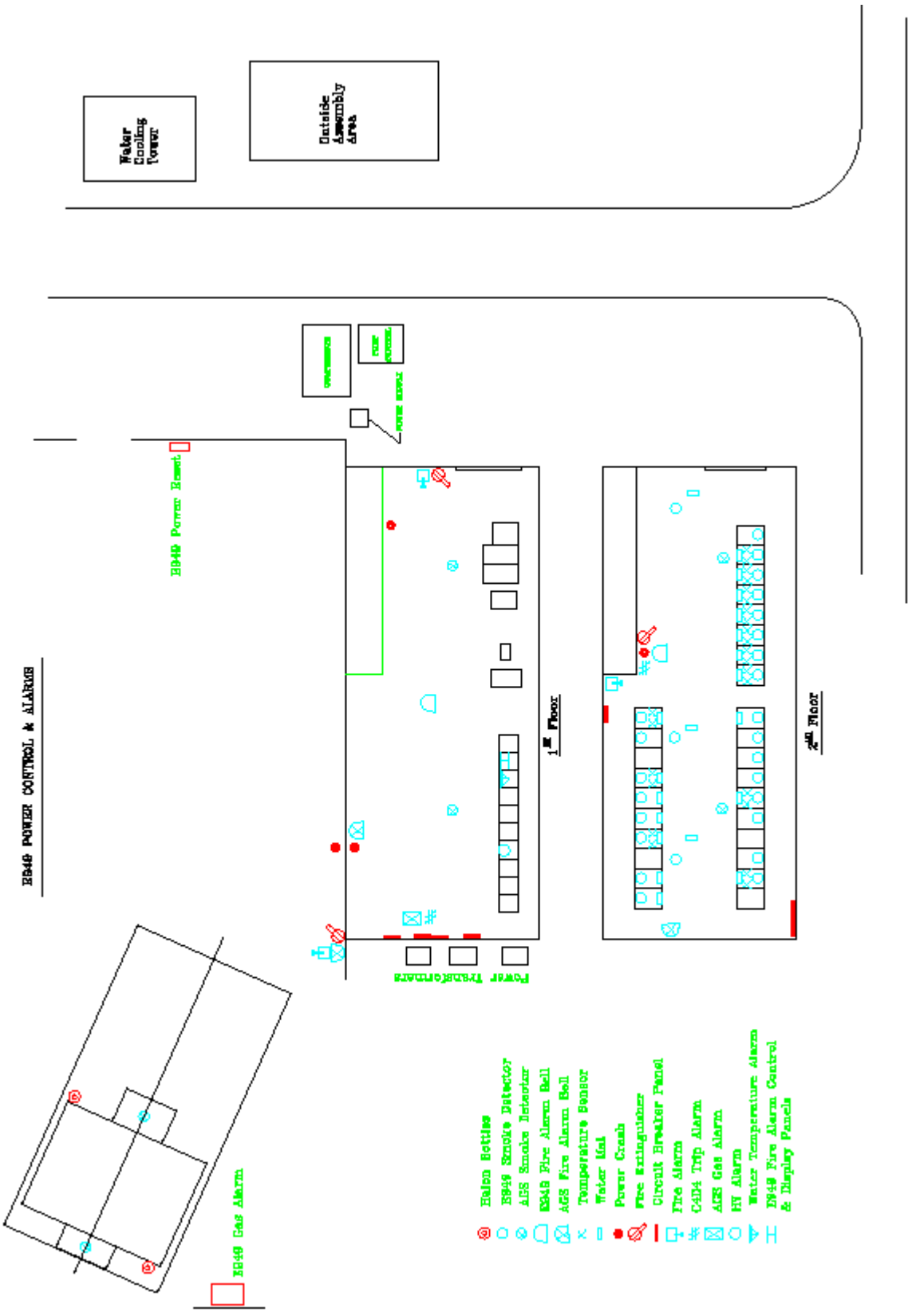
7. References

7.1 C-A-OPM 3.0, "Local Emergency Plan".

8. Attachments

8.1 Layout of the E949 experimental area, including:

a. Fire alarms
b. Crash Buttons
c. Outside Assembly Area


Water Cooling Tower
Outside Assembly Area
B949 Power Event
B949 POWER CONTROL & ALARMS
1st Floor
2nd Floor
Power Transformers
B949 Gas Alarm
Halon Bottles
B949 Smoke Detector
AES Smoke Detector
B949 Fire Alarm Bell
AES Fire Alarm Bell
Temperature Sensor
Water Mol
Power Crash
Fire Extinguisher
Circuit Breaker Panel
Fire Alarm
C404 Trip Alarm
AES Gas Alarm
HY Alarm
Water Temperature Alarm
B949 Fire Alarm Control & Display Panels